

8 NOVEMBER 65

25X1A

TO:
FR:

SUB: TEST AND EVALUATION OF T-35.

Listed below are the sorties flown with the T-35 at this station for Test and Evaluation.

TEST #1

SORTIE NO. CM-71-65
DATE FLOWN 24 AUG. 65
SLIT .050 F/4
FILTER Red
INTERVAL 18sec
FOOTAGE 190ft.

MALFUNCTIONS: Scan Mirror out of adjustment. Rear cover binding against Scan Drum.

CORRECTIVE ACTION: Adjusted rear cover to fit scan drum and returned Unit to the plant for realignment of Scan Mirror.

REMARKS: Material was slightly overdeveloped. Material quality poor.

TEST #2

SORTIE NO. QT-313-65
DATE FLOWN 20 OCT. 65
SLIT .045 F/3.5
FILTER Red
INTERVAL 18sec
FOOTAGE 200ft. Approx.

MALFUNCTIONS: Brake band out of adjustment.

CORRECTIVE ACTION: Removed Supply Reel, cleaned and adjusted Brake.

REMARKS: Material quality poor to fair as a result of incomplete scans.

TEST #3

SORTIE NO. OT-316-65
DATE FLOWN 21 OCT. 65
SLIT .045 F/3.5
FILTER Red
INTERVAL 18sec
FOOTAGE 200ft. Approx.

MALFUNCTIONS: Metering Relay and Switch failed.

CORRECTIVE ACTION: Replaced switch and relay.

REMARKS: Unit returned to the plant for further tests. Material quality fair. Material slightly under exposed at F/3.5/

TEST #4

SORTIE NO. OT-327-65
DATE FLOWN 29 OCT. 65
SLIT .045 F/3.0
FILTER Red
INTERVAL 18sec
FOOTAGE 40ft. Approx.

MALFUNCTIONS: Intervalometer (B9A) used to pulse T-35 malfunctioned after 74 cycles.

CORRECTIVE ACTION: Replaced B9A intervalometer.

REMARKS: Exposure Fair. Format Good. Quality of material good with the exception of slightly under exposed material.

TEST # 5

SORTIE NO. OT-331-65
DATE FLOWN 2 NOV. 65
SLIT .045 F/2.8
FILTER Red
INTERVAL 18sec
FOOTAGE 503ft.

MALFUNCTIONS: None

CORRECTIVE ACTION: None

REMARKS: Unit operated for 4hr. and 30min. without a malfunction. Quality of material good. Two lines of greater density through each frame. Cause unknown at this time.

TEST #6

SORTIE NO. GT-332-65
DATE FLOWN 3 NOV. 65
SLIT .045 F/2.55
FILTER Red
INTERVAL 18sec
FOOTAGE 497ft.

MALFUNCTIONS: None

CORRECTIVE ACTION: None

REMARKS: Unit operated for 4hr. and 30min. without a malfunction. Quality of material good. The two lines of greater density appeared through each frame on this sortie too. The .045 slit appears to have two small notches along an otherwise smooth surface. This is a possible cause of the greater density lines.

We have gained a large amount of maintenance and processing data as a result of these six (6) sorties. We believe this information will give us a head start on making the reliability of the T-35 that of the large Tracker, now in use.



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